

# DVS-8504E User Guide



**V1.0.0**





## Content

<b>1.</b>	<b>Hardware and Setting .....</b>	<b>4</b>
1.1.	Package Contents.....	4
1.2.	Overview: Front panel .....	4
1.3.	Overview: Back Panel .....	4
<b>2.</b>	<b>Web Interface Setting .....</b>	<b>6</b>
2.1.	Connect to DVS by Internet browser .....	6
2.1.1.	Setting .....	7
2.1.2.	Playback.....	7
2.1.3.	Live view .....	7
2.1.4.	Image setup .....	8
2.1.5.	PTZ control .....	8
2.2.	Basic.....	9
2.2.1.	System.....	9
2.2.2.	Work mode.....	13
2.2.3.	Channel parameter .....	14
2.2.4.	Network .....	16
2.3.	Advance .....	24
2.3.1.	PTZ Control .....	24
2.3.2.	Preset Position.....	25
2.3.3.	Patrol .....	26



2.3.4.	FTP client.....	27
2.3.5.	SMTP .....	29
2.3.6.	SMS .....	31
2.3.7.	Alarm Input.....	32
2.3.8.	Alarm Output .....	33
2.3.9.	Motion Detection .....	34
2.3.10.	Video Loss/Cover .....	35
2.3.11.	System Log .....	36
2.3.12.	HD management .....	37
2.3.13.	Local recording .....	38
2.3.14.	Alarm local recording .....	39
2.3.15.	Event Remote Store .....	40
2.3.16.	Event Management .....	41
2.4.	Account .....	44
2.4.1.	Admin .....	44
2.4.2.	User .....	45

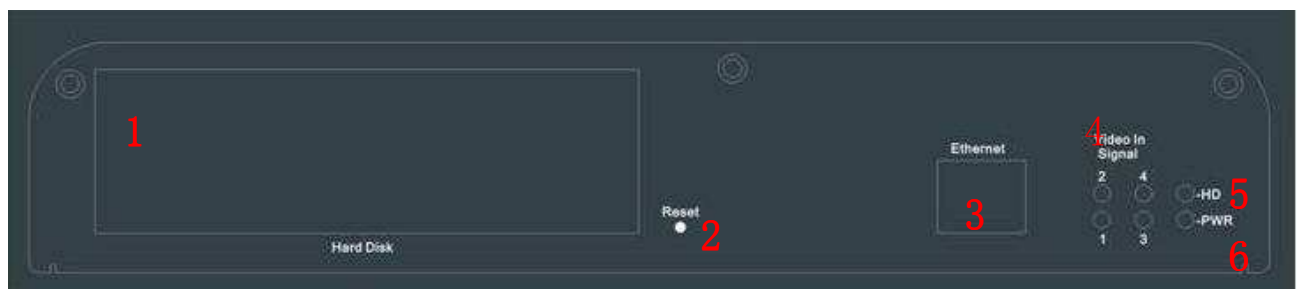


## 1. Hardware and Setting

### 1.1. Package Contents

1. DVS 8504E video encoder
2. 12V Power Adaptor
3. CD (User Manual)

### 1.2. Overview: Front panel



1. Hard disk box.
2. Reset button
3. Network
4. Video-in LED.
5. Hard disk: Flash while hard disk is reading or writing.
6. Power LED:

### 1.3. Overview: Back Panel



1. DI/DO
2. Audio out.
3. Audio in
4. Video in.



5. Video out
6. PTZ control port.
7. Power switch.
8. Power DC in



## 2. Web Interface Setting

### 2.1. Connect to DVS by Internet browser

- Execute Internet browser (FireFox is not supported). If there is a DHCP server in local Lan, please key-in the IP address from DHCP server on address bar. If not, please use “192.168.0.100”to access.
- The default username and password is “admin”  
Note: Default username and password can be changed by “Account” → “Admin”

☐ User Name:

☐ Password:

- After that, main setup page will be shown (If there is ActiveX setup dialog, please choose “Install”)



Language: There are three languages can be choose: English, Simplified Chinese, tradition Chinese



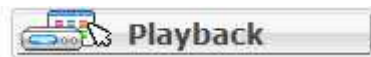


### 2.1.1. Setting



Click to setup basic and advance setting.

### 2.1.2. Playback



Look up recorded video by channel, event, and period time.

**CTE union IP Surveillance** **DVS-8504E 4-Ch Digital Video Encoder** LOGOUT

<ul style="list-style-type: none"> <li>Home</li> <li>Setting           <ul style="list-style-type: none"> <li>Basic</li> <li>System               <ul style="list-style-type: none"> <li>System Inform.</li> <li>Date/Time</li> <li>Initialize</li> <li>Work Mode</li> <li>Channel Parameters</li> <li>Network</li> <li>Advance</li> <li>Account</li> </ul> </li> </ul> </li> </ul>	<input type="checkbox"/> Current Time <input type="text" value="2000-11-05 18:16:56"/> <input type="checkbox"/> PC Time <input type="text" value="2008-11-05 18:16:56"/> <input type="checkbox"/> Date Time Format <input type="text" value="yyyy-mm-dd hh:mm:ss"/> <input type="checkbox"/> Adjust <ul style="list-style-type: none"> <li><input type="radio"/> Keep Current Time</li> <li><input type="radio"/> Synchronize with PC</li> <li><input type="radio"/> Manual Setting               <div> <input type="text" value="2000-11-05"/> <input type="text" value="18"/> <input type="text" value="16"/> <input type="text" value="56"/> </div> </li> <li><input checked="" type="radio"/> Synchronize with NTP               <div>                 NTP Server <input type="text" value="pool.ntp.org"/> <input checked="" type="checkbox"/> Auto                  NTP Interval <input type="text" value="2"/> Hour               </div> </li> </ul>
	<input type="checkbox"/> Timezone <input type="text" value="GMT+08:00/Asia/Beijing/Hong_Kong/Taipei"/> <div> <input type="button" value="Submit"/> <input type="button" value="Cancel"/> </div>

### 2.1.3. Live view




Channel : Choose channel. Choose main or sub channel to live view.

1	Main Stream
2	Main Stream
3	Main Stream
4	Main Stream

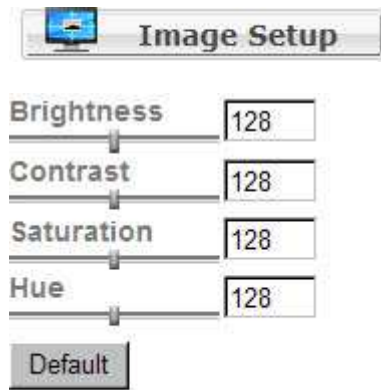
Snapshot

Save live image to local machine.



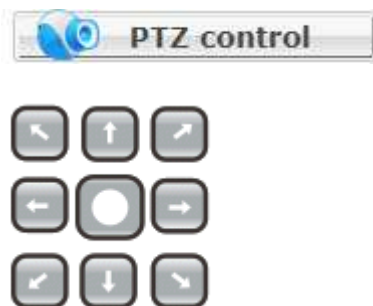
- 1 · Click  to get live image.
- 2 · Click “Save” to save image.
- 3 · Click “Close” to back live view.

#### 2. 1. 4. Image setup



Move the slider to setup brightness, contrast, saturation, and hue.

#### 2. 1. 5. PTZ control



Click these directional buttons to control PTZ camera.



Click “Set” to add camera preset point. Click “Go” to let camera go to preset point.



Click “Set” to select patrol way. Click “Go” to patrol. Before use this feature, please go to “Setting” → “Advance” → “Patrol” to set the patrol way.



Adjust camera focus.



Adjust camera zoom in or out.



## 2.2. Basic

There are four settings in this sub-menu. Including “System”, “Work mode“, “Channel parameter” and “Network”

### 2.2.1. System

#### 2.2.1.1. System Information

This page including information of “Product name”, “Firmware Version”, and “Hardware version”.

CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder LOGOUT

Home  
Setting  
Basic  
System  
System Information  
Date/Time  
Initialize  
Work Mode  
Channel Parameter  
Network  
Advance  
Account

Product Name DVS8504E  
Firmware Version Uboot:V1.1.4/Kernel:Linux2.6.23/App:2008-10-24 V1.1304  
Hardware Version 2008-10-24



## 2. 2. 1. 2. Date/ Time

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The left sidebar contains a menu with the following items: Home, Setting, Basic, System, System Information, Date/Time, Initialize, Work Mode, Channel Parameters, Network, Advance, and Account. The main content area is titled 'DVS-8504E 4-Ch Digital Video Encoder' and contains the following settings:

- Current Time:** 2000-11-05 18:16:56
- PC Time:** 2008-11-05 18:16:56
- Date Time Format:** yyyy-mm-dd hh:mm:ss
- Adjust:**
  - ☐ Keep Current Time
  - ☐ Synchronize with PC
  - ☐ Manual Setting
  - ☒ Synchronize with NTP
- NTP Server:** pool.ntp.org
- NTP Interval:** 2 Hour
- Timezone:** GMT+08:00/Asia/Beijing/Hong\_Kong/Taipei

At the bottom of the form are 'Submit' and 'Cancel' buttons.

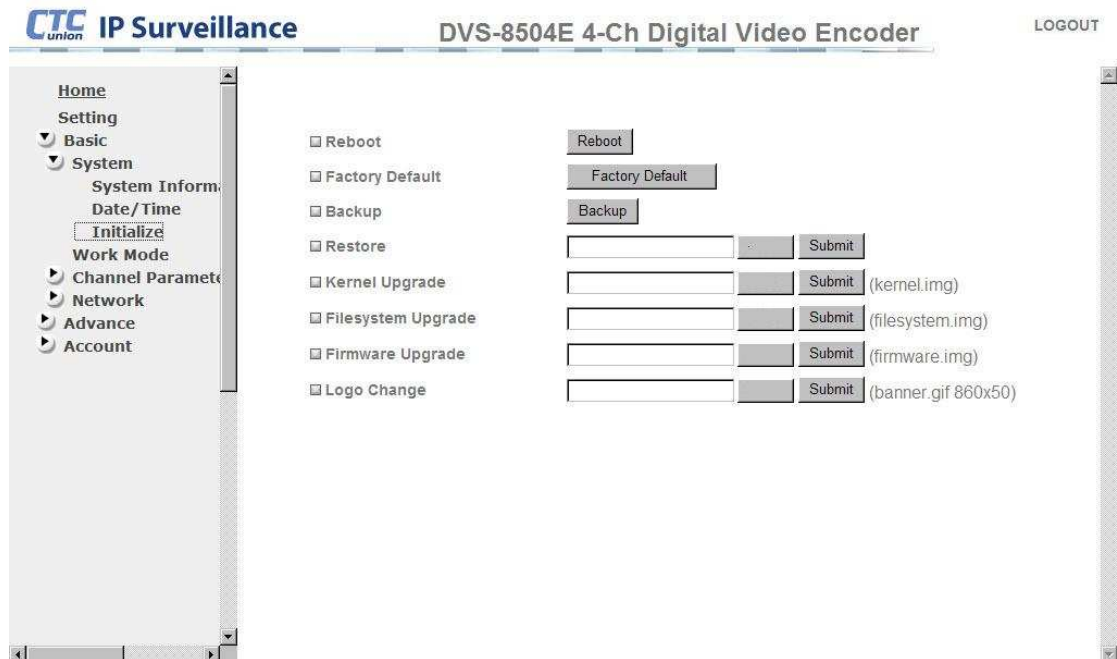
- Current time : Show current time of this device.
- PC Time : Show current time of controlling PC.
- Date Time Format : Select the display format of time. For example:  
yyy-mm-dd hh:mm:ss (Year—Month—Day Hour : Minute : Second)
- Adjust : Four ways to update server time.
  - Ⓐ Keep Current Time : Remain device current time.
  - Ⓑ Synchronize with PC : Synchronize with controlling PC
  - Ⓒ Manual Setting : Select this mode to manually adjust the date and time of this device.
  - Ⓓ Synchronize with NTP : Refresh interval to synchronize the date and time of this device with those of the time server, known as NTP (Network Time Protocol) server
- NTP Server : Input NTP server name or IP address. No more than 64 characters.
- Time zone : Choose time zone and time difference from Greenwich Mean



Time in the area where the device is installed from the pull-down box.



### 2.2.1.3. Initialize



- Reboot : Click this button will reboot the device.
- Factory default : Click this to get back factory default. After reset, sever will reboot automatically.
- Backup: Click to save a config file into PC.
- Restore: Click to restore a config file into encode server. All setting will get back to previous one.
- Kernel upgrade: Click to upgrade device kernel.
- File system upgrade: Click to upgrade device kernel.
- Firmware update: Click to upgrade firmware.
- Logo update: Click to change homepage logo. Please use 850x50 gif formats to replace old one.



### 2. 2. 2. Work mode

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top header includes the CTC logo, 'IP Surveillance', the device name 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. A left sidebar contains a navigation menu with options: Home, Setting, Basic, System, System Inform., Date/Time, Initialize, Work Mode (highlighted), Channel Parameters, Network, Advance, and Account. The main content area is titled 'Work Mode' and contains the following settings:

- Video Format:** Radio buttons for NTSC (selected) and PAL.
- Stream Port:**
  - RTP Port:** Text input field with '8090' and a range '(1024 ~ 65535)'.
  - RTCP Control Port(SSL):** Text input field with '8091'.
- Resolution:** A pull-down menu currently showing 'D1'.
- Choose Channel:** Four checkboxes labeled 1, 2, 3, and 4. Checkboxes 1 and 2 are selected.

At the bottom of the settings area are 'Submit' and 'Cancel' buttons.

- Video format : Two formats can be selected. NTSC or PAL
- Steam Port
 

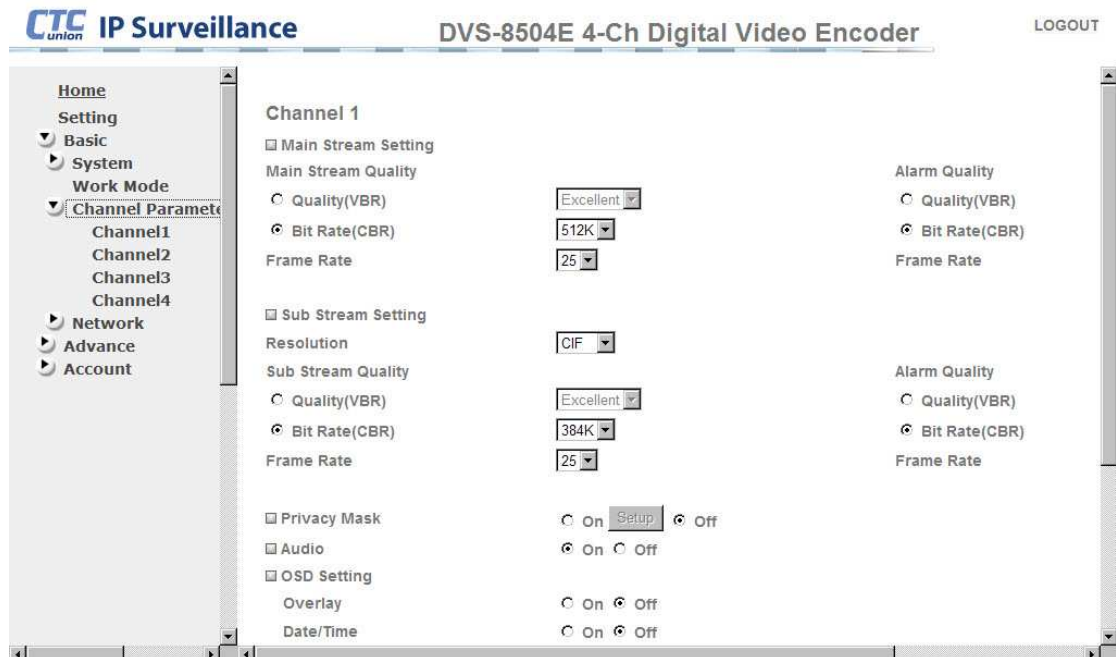
RTP Port : Input RTP protocol port. User can use software which supports RTP steaming to watch video. (Range 1024 ~ 65535)

RTCP control port (SSL): Input RTCP protocol port. User can use software which supports RTCP steaming to watch video.
- Resolution : Click pull-down menu to choose resolution. ( CIF,D1 和 2CIF )
- Choose channel : Click checkbox to choose channel. Supports four channels in CIF. Supports two channels in 2CIF. Supports only one channel in D1.



### 2.2.3. Channel parameter

There are four channels support in this setting. Each channel has independence setting page.



- Main stream setting :

Main stream quality : VBR (Variable bit rate) – Bit rate are variable by video quality.

CBR (Constant bit rate) –Fix video bit rate.

Frame rate : Set picture transferred per second. Maximum are 25 frames in PAL mode. Maximum are 30 frames in NTSC mode.

Alarm Quality: All parameter are the same above.

- Sub stream setting : All parameter are the same with main stream.
- Privacy mask : To active select “on”, and then click “setup”. This will hide chosen region from view.
- Audio : Turn on or off audio.
- OSD (On screen display) setting :

Overlay: Turn on or off overlay text.

Date time: Turn on or off time show on screen.

Text color: Choose OSD text color.

Background color: Choose background color of OSD.

Alias: Channel alias



Display position : Text display position on screen.



## 2.2.4. Network

### 2.2.4.1. Network Information

- MAC address : Show device MAC address.
- Automatically (DHCP) : Set device to DHCP
- Manual : Manual set IP, subnet and default gateway.
- DNS Server
  - Auto : Get DNS server IP automatically.
  - Manual : Set DNS IP manually.
  - Primary DNS : Input primary DNS server IP address here.
  - Secondary DNS Server : Input secondary DNS server IP address here.
- HTTPS Port : Set to connect by default https port 443 or range 1024~65535
- HTTP Port : Set to connect by default http port 80 or range 1024~65535
- Client Port : Define client device connect to encoder by which port.
- AV Port : Port of video service stream. 6789, or set manually (range 1024~65535)。



## 2. 2. 4. 2. PPPOE

Set to connect to Internet by PPPoE.

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The left sidebar contains a menu with the following items: Home, Setting, Basic, System, Work Mode, Channel Parameters, Network, Network Information, PPPoE, DDNS, UPNP, SNMP, HTTPS, IP Notification, Advance, and Account. The main content area is titled 'DVS-8504E 4-Ch Digital Video Encoder' and features a 'LOGOUT' link. The PPPoE configuration section includes a checkbox for 'PPPoE' (checked), radio buttons for 'On' (selected) and 'Off', and input fields for 'IP Address', 'User ID', 'Password', 'DNS Server' (with 'Automatically' and 'Manual' radio buttons), 'Primary DNS Server', and 'Secondary DNS Server'. 'Submit' and 'Cancel' buttons are at the bottom.

- IP address : Read-only. IP address from PPPoE service.
- Username ID : PPPoE username ID. Usually get from ISP.
- Password : PPPoE certified password. Usually get from ISP.
- DNS Server
  - Automatically: Get DNS IP automatically.
  - Manually : Set DNS IP manually.
- Primary DNS : Input primary DNS server IP address here.
- Secondary DNS Server : Input secondary DNS server IP address here.



### 2. 2. 4. 3. DDNS

This allow device to have DDNS domain name. Encoder will notify a domain name server to change mapping IP in real time (ad-hoc), the active DNS configuration of its configured hostnames, addresses or other information.

The screenshot displays the web interface of the DVS-8504E 4-Ch Digital Video Encoder. The page title is "CTC union IP Surveillance" and "DVS-8504E 4-Ch Digital Video Encoder". A "LOGOUT" link is visible in the top right corner. On the left, a navigation menu includes: Home, Setting, Basic, System, Work Mode, Channel Parameters, Network (selected), Network Information, PPPOE, DDNS (highlighted), UPNP, SNMP, HTTPS, IP Notification, Advance, and Account. The main content area shows the DDNS configuration. At the top, there is a checkbox for "DDNS" with radio buttons for "On" (selected) and "Off". Below this are five input fields: "Server Name" (a pull-down menu showing "http://members.dhs.org"), "User ID", "Password", "Re-type Password", and "Host Name". At the bottom of the form are "Submit" and "Cancel" buttons.

- Server name : Select a DDNS server from Pull-down menu.
- User ID : Input DDNS ID from DDNS server.
- Password : DDNS authentication password.
- Host name: Hostname which registered on DDNS server.
- Note: Before using this function, please register an account from DDNS service provider.



#### 2. 2. 4. 4. UPnP

UPnP helps user to find this machine easily. It will open service ports on local LAN UPnP router. Make others from Internet easily to access this device.

The screenshot displays the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top header shows the 'CTE union IP Surveillance' logo and the device model 'DVS-8504E 4-Ch Digital Video Encoder', along with a 'LOGOUT' link. The left sidebar contains a navigation menu with the following items: Home, Setting, Basic, System, Work Mode, Channel Parameters, Network, Network Information, PPPOE, DDNS, UPNP, SNMP, HTTPS, IP Notification, Advance, and Account. The 'UPNP' option is selected. The main content area shows the UPnP configuration settings. At the top, there is a checkbox for 'UPnP' with radio buttons for 'On' (selected) and 'Off'. Below it is a checkbox for 'Turn On UPnP Port Forwarding' which is checked. There are four port configuration fields, each with a default value and a range in parentheses: 'HTTP Port' (80, 1024 ~ 65535), 'SSL Port' (443, 1024 ~ 65535), 'H.264 Port' (0, 1024 ~ 65535), and 'H.264 SSL Port' (0, 1024 ~ 65535). At the bottom of the settings area are 'Submit' and 'Cancel' buttons.

- HTTP port : HTTP connected port. Use default 80 or set manually (range 1024~65535)
- SSL port : Https security connection port setting. Use default 443 or set manually. (range 1024~65535)
- H.264 port : Set video stream port (range 1024~65535)
- H.264 SSL port : Input security connection port (range 1024~65535)



## 2. 2. 4. 5. SNMP

Simple Network Management Protocol (SNMP) is a widely used protocol for monitoring the health and welfare of network equipment.

### SNMP\_TRAP

CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder LOGOUT

Home  
Setting  
Basic  
System  
Work Mode  
Channel Parameters  
Network  
Network Information  
PPPOE  
DDNS  
UPNP  
SNMP  
Trap Setup  
Manager Setup  
HTTPS  
IP Notification  
Advance  
Account

TRAP Information ☒ On ☐ Off

	Receiver IP	Community string
1		
2		
3		
4		
5		
6		
7		
8		

Submit Cancel

- Trap Information: Turn on or off SNMP service.
- Receiver IP : SNMP information receiver IP.
- Community string : Input SNMP server string to communicate with SNMP server.



## SNMP\_MANAGER

CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder LOGOUT

Home  
Setting  
Basic  
System  
Work Mode  
Channel Parameters  
Network  
Network Information  
PPPOE  
DDNS  
UPNP  
SNMP  
Trap Setup  
Manager Setup  
HTTPS  
IP Notification  
Advance  
Account

Manager Information ☒ On ☐ Off

	Manager IP	Community string	Access
1			Read-Write
2			Read-Write
3			Read-Write
4			Read-Write
5			Read-Write
6			Read-Write
7			Read-Write
8			Read-Write

Submit Cancel

- Manager IP : Input SNMP manager IP.
- Community string : Input SNMP server string to communicate with SNMP server.
- Access : Let user “read” or “read and write” on device.



### 2.2.4.6. HTTPS

Https is a URI scheme used to indicate a secure HTTP connection. It is syntactically identical to the http:// scheme normally used for accessing resources using HTTP. Select “on” to start to setup.

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top header includes the CTC union logo, the title "IP Surveillance", the device model "DVS-8504E 4-Ch Digital Video Encoder", and a "LOGOUT" link. The left sidebar contains a tree view of configuration options: Home, Setting, Basic, System, Work Mode, Channel Parameters, Network, Network Information, PPPOE, DDNS, UPNP, SNMP, Trap Setup, Manager Setup, HTTPS, IP Notification, Advance, and Account. The main content area is titled "HTTPS" and features a radio button to toggle between "On" (selected) and "Off". Below this, there are two checkboxes: "Create & Install" and "Installed Certificate Subject Name". The "Create & Install" checkbox is checked, and it has a "Create self-signed certificate" button. The "Installed Certificate Subject Name" checkbox is unchecked, and it shows a text field with "No certificate installed." and buttons for "Properties" and "Remove". There is also an unchecked checkbox for "HTTPS Connection Policy" with a dropdown menu currently set to "HTTP". At the bottom of the main content area, there is a "mainFrame" label and a "Submit" button.

- Create & install : Click “create self-signed certificate” to create a cer
- Installed Certificate Subject Name: show or remove certificate.
- HTTPS connection policy: Three policies can be choosing. (HTTP, HTTPS, HTTP&HTTPS)



## 2.2.4.7. IP Notification

Notify user by E-mail, while device is using new IP. Select “on” to turn on.

- Notify Type: Select which condition to send notification.
- SMTP Server name: Input SMTP server name or IP address here.
- SMTP server port: Use default SMTP port or user-defined (range 1024~65535)
- Authentication: Select authentication type according to your SMTP server.
- Receiver mail address: There are five receivers acceptable.
- Sender mail address: Input sender E-mail address here.
- Subject: Mail subject
- Message: Mail text



## 2.3. Advance

### 2.3.1. PTZ Control

This page let user setup parameter of PTZ.

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The page title is "DVS-8504E 4-Ch Digital Video Encoder" and there is a "LOGOUT" link in the top right corner. On the left is a navigation menu with the following items: Home, Setting, Basic, Advance (selected), PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Reco, Event Remote Sto, Event Managemer, and Account. The main content area is titled "PTZ Control" and contains the following settings:

Channel Switch	1
Connection Type	RS485
Protocol	Pelco-P
Baud Rate	9600 bps
Camera ID	1 (0~255)
Pan Speed	25 (0~63)
Tilt Speed	25 (0~63)
Zoom Speed	1 (0~3)
Focus Speed	1 (0~3)
Iris Speed	50 (0~100)
Auto Pan Speed	50 (0~100)

At the bottom of the settings area are "Submit" and "Cancel" buttons.

- Channel Switch : Select one channel to start to setup.
- Connection type : Select connection type according to interface.
- Protocol: Select camera protocol. Please refer to user manual of camera.
- Pan Speed: PTZ camera pan speed (range 0~63).
- Tilt Speed: PTZ camera tilt speed (range 0~63)
- Zoom speed: PTZ camera zoom speed (range 0~3)
- Focus speed: Focus speed of camera (range 0~3).
- Iris speed: Adjust Iris speed of camera (range 0~100)
- Auto Patrol speed: Adjust auto patrol speed (range 0~100)



### 2.3.2. Preset Position

Setup preset position of PTZ camera on each channel.

The screenshot displays the 'Preset Position' configuration page in the CTC IP Surveillance web interface. The page title is 'DVS-8504E 4-Ch Digital Video Encoder'. The left sidebar lists various system settings, with 'Preset Position' currently selected. The main content area includes several configuration options: 'Channel switch' set to 1, 'Order' set to 1, 'Preset position name' set to 'ddd', and buttons for 'Set' and 'Clear'. There are also options for 'Set position' (ddd) with a 'Position set panel' button, and 'Start position' (ddd) with a 'Set as start position' button. A 'Current start position' field is present, along with a 'Clear all' button. The bottom section features a table of 32 preset positions, numbered 01 to 29, each with a text input field and a 'Delete' button.

Steps :

- Select channel you want to setup.
- Select preset number which you want to setup. There are 32 numbers for using.  
Write down position name and click “Set”  
Click “Position set panel”, there will be a new PTZ control windows appear.  
“Start position”(home position). Choose a position name for home position from pull-down menu. “Clear all” will clear all position you set.
- Remember to click “Submit” after any changing.



### 2.3.3. Patrol

This page let user setup patrol route of camera. Every channel has four patrol routes. Every route is constituted by 8 preset points. Camera will move by order to the end.

The screenshot shows the 'Patrol' configuration page in the DVS-8504E web interface. The sidebar on the left contains a tree view of settings, with 'Patrol' selected. The main area contains the following controls:

- ☐ Channel switch: 1 (dropdown)
- ☐ Set as default route: 1 (dropdown)
- ☐ Tour index: 1 (dropdown) | Tour name: [text field] | ☒ Enable ☐ Disabled
- ☐ Interval: 0 (text field) sec
- ☐ Tour positions setting: Order (dropdown) | ddd (dropdown) | Setup (button) | Clear (button) | Clear all (button)
- 10 numbered input fields for preset points (1-10).
- Submit (button) and Cancel (button) at the bottom.

- Channel switch : Choose channel to setup
- Set as default route: Choose a route number
- Tour index: Show the route number you are setting now.
- Tour name: Give a name for this tour.
- Interval: Stop time on each preset position.
- Select preset point, click “setup” to put it on the preset route.
- Remember to click “Submit” after any changing.



## 2.3.4. FTP client

FTP client will send images file while alarm accrued.

### 2.3.4.1. General

The screenshot shows the web interface of the DVS-8504E 4-Ch Digital Video Encoder. The page title is "IP Surveillance" and "DVS-8504E 4-Ch Digital Video Encoder". There is a "LOGOUT" link in the top right corner. On the left is a navigation menu with options: Home, Setting (Basic, Advance), PTZ Control, Preset Position, Patrol, FTP Client (General, Periodical Send), SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Reco, Event Remote Stc, Event Managemer, and Account. The "FTP Client" section is expanded, and the "General" sub-section is selected. The main content area shows the "FTP General Setting" form. It includes a checkbox for "FTP General Setting" (checked), a "Server Name" text field, a "Port" text field with the value "21" and a range "(0 ~ 65535)", a "User Name" text field with the value "admin", a "Password" text field with masked characters "•••••", a "Passive Mode" section with radio buttons for "On" and "Off" (checked), and an "Attached File Type" section with a checked checkbox for "JPEG". At the bottom of the form are three buttons: "Submit", "Cancel", and "Test".

- FTP General Setting : Turn on or off this feature.
- Server name : Input FTP server name or IP address. °
- FTP port : Input FTP server port, default is 21 (range 0~65535)
- User name : Input user name of FTP server.
- Password : Input password of FTP server.
- Passive Mode : While you connecting to a FTP server with passive mode.  
Please turn on this.
- Attached File Type : Click here to send “JPEG” file to FTP server.



### 2.3.4.2. Periodical Sending

Send images file to FTP server periodically.

The screenshot shows the web interface of the DVS-8504E 4-Ch Digital Video Encoder. The top header includes the CTC logo, 'IP Surveillance', the device model 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. A left sidebar contains a navigation menu with options: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, General, Periodical Sending (highlighted), SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Recor, Event Remote Sto, Event Managemer, and Account. The main content area is titled 'SMTP Periodical Sending' and contains the following settings:

- ☐ SMTP Periodical Sending: ☒ On ☐ Off
- Image File Name:
- Suffix: ☒ Date Time ☐ None
- Interval:  M (30-1440)
- Channel Switch: ☐ 1 ☐ 2 ☐ 3 ☐ 4

At the bottom right of the settings area are 'Submit' and 'Cancel' buttons.

- FTP Periodical Sending : Turn on or off this feature.
- Image File Name : File name of sending to FTP server.
- Suffix : Suffix of sending-file.
- Interval : Choose interval time of sending-file
- Channel Switch : Choose active channel here.



### 2.3.5. SMTP

By setup SMTP server, let device send image file to specific E-mail address.

#### 2.3.5.1. General

The screenshot displays the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top header shows the CTC union logo, the title 'IP Surveillance', and the device model 'DVS-8504E 4-Ch Digital Video Encoder'. A 'LOGOUT' link is in the top right. The left sidebar contains a navigation menu with categories like Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, General, Periodical Sending, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Coverage, System Log, HDD Management, Local Recording, Alarm Local Recording, Event Remote Storage, Event Management, and Account. The main area shows the SMTP configuration page. It starts with a checkbox for 'SMTP' which is checked, followed by 'On' and 'Off' radio buttons. Below are fields for 'SMTP Server' (containing 'ddd'), 'SMTP Server Port' (with radio buttons for 25, 465, 587, and a text box with '25' and a range '(1024-65535)'), and 'Authentication' (with 'On' and 'Off' radio buttons). There are five text input fields for 'Receiver 1 Mail Address' through 'Receiver 5 Mail Address', a field for 'Sender Mail Address', a checkbox for 'Attached File Type' (with 'JEPG' selected), and a text input field for 'Subject'.

- SMTP : Turn on or off this feature.
- SMTP Server : Input SMTP server IP address
- SMTP port : Use default SMTP port or user-defined (range 1024~65535)
- Authentication: Select authentication type according to your SMTP server.
- Receiver mail address: There are five receivers acceptable.
- Sender mail address: 5 receivers can be set.
- Subject: Mail subject
- Message: Mail text



### 2.3.5.2. SMTP Periodical Sending

Send image file to specific E-mail address periodically.

The screenshot displays the web interface of the DVS-8504E 4-Ch Digital Video Encoder. The top header includes the 'CTC IP Surveillance' logo, the device model 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. A left-hand navigation menu lists various settings: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, General, Periodical Sending (highlighted), SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Reco, Event Remote Stc, Event Managemer, and Account. The main content area is titled 'SMTP Periodical Sending' and contains the following configuration options: a checkbox for 'SMTP Periodical Sending' (checked), radio buttons for 'On' (selected) and 'Off', a text field for 'Image File Name' containing 'smtpfile', radio buttons for 'Date Time' (selected) and 'None' for the 'Suffix', a text field for 'Interval' set to '30' with the unit 'M (30-1440)', and a 'Channel Switch' section with checkboxes for channels 1, 2, 3, and 4. At the bottom right of the configuration area are 'Submit' and 'Cancel' buttons.

- SMTP Periodical Sending : Turn on or off this feature.
- Image File Name : Attached file name.
- Suffix : Select “Date Time” for image suffix or not.
- Interval : Periodical mail interval time (Minute). Range from 30 minutes to 1440minutes.
- Channel Switch : Choose active channel here.



### 2.3.6. SMS

Send message to mobile device.

The screenshot shows the 'SMS' configuration page in the DVS-8504E web interface. The sidebar on the left contains a tree view of settings, with 'SMS' highlighted under the 'SMTP' category. The main area contains the following configuration options:

- ☐ SMS Switch: Radio buttons for 'On' (selected) and 'Off'.
- ☐ Service Provider: A dropdown menu showing 'SMS1'.
- ☐ User Name: A text input field containing 'admin'.
- ☐ Password: A text input field with masked characters (dots).
- ☐ Mobile Phone Number1: A text input field with a hint '(example:86+12345678900)'.
- ☐ Mobile Phone Number2: A text input field.
- ☐ Mobile Phone Number3: A text input field.
- ☐ Mobile Phone Number4: A text input field.
- ☐ Mobile Phone Number5: A text input field.

At the bottom right of the form are 'Submit' and 'Cancel' buttons. A 'LOGOUT' link is visible in the top right corner of the interface.

- SMS switch : Turn on or off this feature.
- Service provider : Select message service provider.
- Username : Input username on SMS server.
- Password : Input SMS server password.
- Mobile phone Number : Input receiver phone number from 1 to 5.



### 2.3.7. Alarm Input

CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder LOGOUT

Home  
Setting  
Basic  
Advance  
PTZ Control  
Preset Position  
Patrol  
FTP Client  
SMTP  
General  
Periodical Send  
SMS  
**Alarm Input**  
Alarm Output  
Motion Detection  
Video Loss/Cover  
System Log  
HDD Management  
Local Recording  
Alarm Local Reco  
Event Remote Sto  
Event Managemer  
Account

☐ Sensor Index 1

☐ Alarm Input ☒ On ☐ Off

Debounce Time 5 s (5~10s)

Trigger Condition High

PTZ Action ☒ On ☐ Off

Channel Switch 1

Camera Move ddd

Submit Cancel

- Sensor Index : Select which sensor you want to config.
- Alarm Input : Turn on or off this feature.
- Debounce Time : Interval time, range from 5 to 10 seconds.
- PTZ Action : If turn this on, PTZ camera will move to allocated position while alarm.  
Assign channel and position, then.



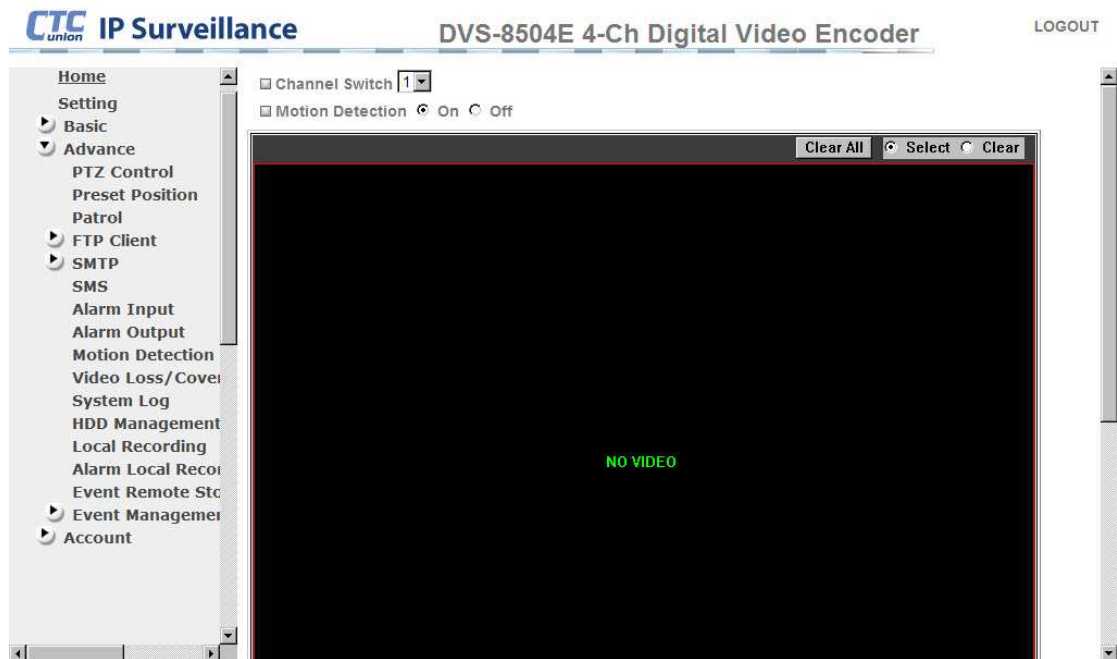
### 2.3.8. Alarm Output

The screenshot displays the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top header includes the 'CTC union IP Surveillance' logo, the device model 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. A left sidebar contains a navigation menu with options: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output (highlighted), Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Recor, Event Remote Stc, Event Managemer, and Account. The main content area is titled 'Alarm Output' and features a dropdown menu set to '1'. Below this are two checkboxes: 'Alarm Output' (checked) with radio buttons for 'On' (selected) and 'Off', and 'Relay' with radio buttons for 'On' (selected) and 'OFF'. An 'Alarm Duration' section has a radio button for 'Follow Event' (selected) and a text input field set to '0' with a unit of 's (0~60s)'. At the bottom are 'Submit' and 'Cancel' buttons.

- Alarm Output : Select DO1 or DO2 for alarm output.
- Alarm Output switch : Turn on or off “alarm output”
- Relay : Turn on or off relay.
- Alarm Duration: “Follow Event” alarm will continue till event end. Or set durative time.



### 2.3.9. Motion Detection



- Channel : Select which channel to setup.
- Motion detection : Turn on or off this function.
- Spatial Threshold : Sensitivity of motion detection.
- Debounce time : Motion-triggered duration time.



### 2. 3. 10. Video Loss/Cover

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top header includes the CTC logo, 'IP Surveillance', the device model 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. A left sidebar contains a navigation menu with options: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover (highlighted), System Log, HDD Management, Local Recording, Alarm Local Recording, Event Remote Storage, Event Management, and Account. The main content area is titled 'Video Loss/Cover' and contains the following settings:

- ☐ Channel Switch: 1 (dropdown)
- ☐ Video Loss: ☒ On ☐ Off
  - Debounce Time: 5 s (5~10s)
- ☐ Video Cover: ☒ On ☐ Off
  - Debounce Time: 5 s (5~10s)
  - Spatial Speed: 50
  - Sensitive Level: 50

At the bottom right of the settings area are 'Submit' and 'Cancel' buttons.

- Channel Switch : Select which channel to setup.
- Video Loss : Turn on to active specific action while “video loss”. Go to “Event Management” --> “Event Setting” to set action.
- Debounce Time : Interval time, range from 5 to 10 seconds.
- Video Cover : Detect if camera lanes is covered.
- Debounce Time : Interval time, range from 5 to 10 seconds.
- Sensitive Level : Setup “video cover” sensitive. Range 0~100



### 2. 3. 11. System Log

**CTC union IP Surveillance** **DVS-8504E 4-Ch Digital Video Encoder** [LOGOUT](#)

**Home**  
**Setting**  
 Basic  
 Advance  
 PTZ Control  
 Preset Position  
 Patrol  
 FTP Client  
 SMTP  
 SMS  
 Alarm Input  
 Alarm Output  
 Motion Detection  
 Video Loss/Coverage  
 System Log  
 HDD Management  
 Local Recording  
 Alarm Local Recording  
 Event Remote Storage  
 Event Management  
 Account

☐ Remote Log ☒ On ☐ Off

Server IP

Port ☐ 514 ☒ 2121 (1024~65535)

☐ Current Log

1	2000/11/10 00:08:40	192.168.9.130	from local	ftp upload fail
2	2000/11/10 00:09:10	192.168.9.130	from local	ftp upload fail
3	2000/11/10 00:09:40	192.168.9.130	from local	ftp upload fail
4	2000/11/10 00:10:12	192.168.9.130	from local	ftp upload fail
5	2000/11/10 00:10:43	192.168.9.130	from local	ftp upload fail
6	2000/11/10 00:11:13	192.168.9.130	from local	ftp upload fail
7	2000/11/10 00:11:44	192.168.9.130	from local	ftp upload fail
8	2000/11/10 00:12:14	192.168.9.130	from local	ftp upload fail
9	2000/11/10 00:12:45	192.168.9.130	from local	ftp upload fail
10	2000/11/10 00:13:16	192.168.9.130	from local	ftp upload fail

- Remote Log : Send log to remote log server.
- Server IP : Input IP of remote log server
- Port : Remote Log Server port. (Range from 1024 ~ 65535)
- Current Log : Show DVS current log. It will overwrite old log while log spool is full.



### 2. 3. 12. HD management

**CTC union IP Surveillance** **DVS-8504E 4-Ch Digital Video Encoder** **LOGOUT**

**Home**  
**Setting**  
 Basic  
 Advance  
 PTZ Control  
 Preset Position  
 Patrol  
 FTP Client  
 SMTP  
 SMS  
 Alarm Input  
 Alarm Output  
 Motion Detection  
 Video Loss/Cover  
 System Log  
 HDD Management  
 Local Recording  
 Alarm Local Recor  
 Event Remote Stc  
 Event Managemer  
 Account

☐ HDD Information  
 Disk Size  bytes  
 Used Size  bytes

☐ Format

☐ Disk Management Strategy  
 Disk Full Strategy ☐ Overwrite ☒ STOP Write

Hard Disk Capacity Alarm   
 Alarm Debounce Time   
☐ Recorded File Span Time

- HDD information : If there is hard disk connected inside, hard disk size and used size will show inside. If not, all these will show 0.
- Format : Click “Format” button to format hard disk. All data will be erased.
- Disk Management Strategy :  
 Disk Full Strategy: “Overwrite” old data while hard disk is full. “STOP Write” hard disk while hard disk is full.
- Hard Disk capacity alarm: Send alarm while hard disk spaces reach to set percentage.
- Alarm Debounce Time: Alarm duration.
- Recorded File Span Time: Make video file split into 15, 30, 45 or 60 min.



### 2. 3. 13. Local recording

The screenshot shows the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The page title is "DVS-8504E 4-Ch Digital Video Encoder" and there is a "LOGOUT" link in the top right corner. On the left is a navigation menu with the following items: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Coverage, System Log, HDD Management, Local Recording (selected), Alarm Local Recording, Event Remote Storage, Event Management, and Account. The main content area is titled "Local Recording" and contains the following settings:

- ☐ Channel Switch: 1
- ☐ Local Recording: ☒ On ☐ Off
- ☐ Full-Time Record
- Stream Choice: Main Stream
- ☒ Schedule
- Stream Choice: Main Stream

Below the settings is a schedule table with 24 columns representing hours (0-23) and 7 rows representing days of the week (Mon. to Sun.). Each cell in the table is a small square, representing a half-hour slot for scheduling recordings.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon.																								
Tue.																								
Wed.																								
Thu.																								
Fri.																								
Sat.																								
Sun.																								

- Channel Switch : Select which channel you want to setup.
- Local Recording
  - Full-Time Recording: Record all video in this channel. Then, please choose “main” or “Sub” channel.
  - Schedule: Use schedule table to select when to record video. Each block represent half hour.



### 2. 3. 14. Alarm local recording

The screenshot displays the web interface for the CTC IP Surveillance system, specifically the DVS-8504E 4-Ch Digital Video Encoder. The interface includes a top header with the CTC logo, 'IP Surveillance', and the device model. A 'LOGOUT' link is visible in the top right corner. On the left, a vertical navigation menu lists various settings categories: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Coverage, System Log, HDD Management, Local Recording, Alarm Local Recording, Event Remote Storage, Event Management, and Account. The 'Alarm Local Recording' option is highlighted. The main content area shows the 'Alarm Local Recording' settings. It includes a checkbox for 'Alarm Local Recording' which is checked, and radio buttons for 'On' (selected) and 'Off'. Below this is a 'Stream Choose' section with four channels (Channel1, Channel2, Channel3, Channel4). Each channel has two radio buttons: 'Main Stream' (selected for all) and 'Sub Stream'. At the bottom of the settings area are 'Submit' and 'Cancel' buttons.

- Alarm local recording : Record video while alarm occurs. Then choose main or sub stream on recording.



### 2. 3. 15. Event Remote Store

Save video to remote video server while event occurs.

The screenshot displays the web interface for the CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder. The interface includes a top header with the CTC logo, 'IP Surveillance', and the device model 'DVS-8504E 4-Ch Digital Video Encoder'. A 'LOGOUT' link is located in the top right corner. On the left, a vertical navigation menu lists various settings: Home, Setting (Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Recor, Event Remote Sto, Event Managemer, Account). The 'Event Remote Store' option is selected. The main configuration area on the right contains the following settings:

- ☐ Remote Storage ☒ On ☐ Off
- ☐ IP address
- ☐ Port
- ☐ Stream Choice
  - Channel 1 ☒ Main Stream ☐ Sub Stream
  - Channel 2 ☒ Main Stream ☐ Sub Stream
  - Channel 3 ☒ Main Stream ☐ Sub Stream
  - Channel 4 ☒ Main Stream ☐ Sub Stream

At the bottom of the configuration area are 'Submit' and 'Cancel' buttons.

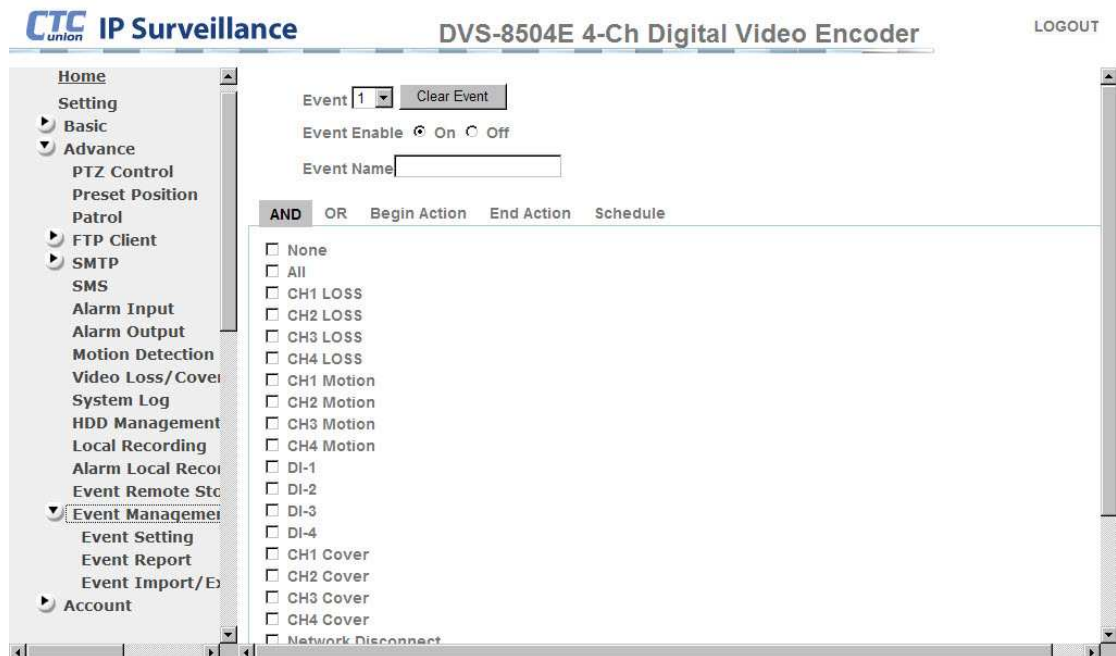
- IP address: Input remote video server IP address.
- Port: Input remote video server port here.
- Stream choice: Choose main or sub stream when recording.



## 2. 3. 16. Event Management

This function is including event setting, import and export.

### 2. 3. 16. 1. Event Setting



- Event: Give every event setting a serial number
- Event Enable: Turn on or off event setting.
- Event Name: Give every event a specific for Identification.
- AND : Select trigger-event. In “AND” condition, all events should happen, and then device trigger alarm.
- OR: Select trigger-event. In “OR” condition, one of selected event happen, then trigger alarm.
- Begin Action: Select action while alarm is triggered.
- End Action: Select action while alarm is end
- Schedule: Schedule recording. The same table as “Local recording”



### 2. 3. 16. 2. Event Report

Check event setting on each event serial number.

The screenshot displays the web interface for the DVS-8504E 4-Ch Digital Video Encoder. The top navigation bar includes the 'CTE union IP Surveillance' logo, the device name 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. A left sidebar contains a menu with options: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Record, Event Remote Storage, Event Management, Event Setting, Event Report (highlighted), Event Import/Export, and Account.

The main content area is titled 'Event Report' and features a 'Event Choose' dropdown set to '1' and a 'Report' button. Below this is an 'Index' input field and a 'Schedule Result' button. The interface is divided into four sections for configuring event actions:

- And events:** A table with event types and checkboxes for 4 channels.
 

None	<input type="checkbox"/>
All	<input type="checkbox"/>
Video Loss	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Motion	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
DI	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Video Cover	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Network Disconnect	<input type="checkbox"/>
HDD Full	<input type="checkbox"/>
HDD Fail	<input type="checkbox"/>
- Or events:** A table with event types and checkboxes for 4 channels, identical to the 'And events' section.
- Begin action:** A table with action types and checkboxes for 5 channels.
 

Send E-Mail	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
SMS	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
DO	<input type="checkbox"/> 1 <input type="checkbox"/> 2
CTP	<input type="checkbox"/>
- End action:** A table with action types and checkboxes for 5 channels, identical to the 'Begin action' section.

Click "Report" to show report.



### 2. 3. 16. 3. Event import/ Export

All Event setting could export to a file. Also user can import event setting.

The screenshot displays the CTC IP Surveillance web interface for the DVS-8504E 4-Ch Digital Video Encoder. The interface includes a top header with the CTC logo, the text "IP Surveillance", the device model "DVS-8504E 4-Ch Digital Video Encoder", and a "LOGOUT" link. On the left, a vertical navigation menu lists various settings: Home, Setting, Basic, Advance, PTZ Control, Preset Position, Patrol, FTP Client, SMTP, SMS, Alarm Input, Alarm Output, Motion Detection, Video Loss/Cover, System Log, HDD Management, Local Recording, Alarm Local Reco, Event Remote Stc, Event Managemer, Event Setting, Event Report, Event Import/Export, and Account. The "Event Import/Export" option is highlighted. The main content area shows two sections: "Export" and "Import". The "Export" section has a checkbox, a dropdown menu set to "1", and an "Export" button. The "Import" section has a checkbox, a dropdown menu set to "1", a text input field, and a "Submit" button.

- Export : Click "Export" to export a event file. Then, select "save as" to save on PC.
- Import : Click "Browse" to select a specific file to import.



## 2.4. Account

### 2.4.1. Admin

Administrator's default username and password is "admin". This page allow user change password for administrator.

The screenshot displays the web interface for the CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder. The top navigation bar includes the CTC logo, 'IP Surveillance', the device model 'DVS-8504E 4-Ch Digital Video Encoder', and a 'LOGOUT' link. On the left, a sidebar menu shows 'Account' (selected), 'Admin', and 'User'. The main content area is titled 'Account Modify' and contains three text input fields labeled 'Old Password', 'New Password', and 'Re-type New Password'. Below these fields are 'Submit' and 'Cancel' buttons.

- User should input old password to verify changing.



### 2.4.2. User

Change normal user “User name”, “Password” and limits of authority.

CTC IP Surveillance DVS-8504E 4-Ch Digital Video Encoder

Account Management

	User Name	Password	Basic	Advance	PTZ	MIC	Ch1	Ch2	Ch3	Ch4
User1	user1	*****	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User5			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User6			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User7			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User8			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User9			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Submit Cancel

- User name: Input normal user's user name. (Do not exceed 32 characters)
- Password: Input normal user's password. (Do not exceed 32 characters)
- Basic: User's competence on setup "Basic" function
- Advance: User's competence on setup "Advance" function
- PTZ: User's competence on controlling PTZ camera.
- MIC: User's competence on setup "MIC"
- Ch1~Ch4: user's competence on each channel.
- Playback: user's competence on watching "Playback" .